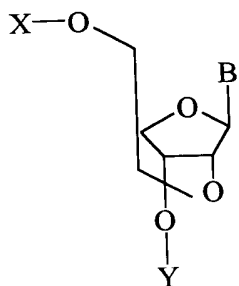


IN THE CLAIMS

Claim 1. (Original) A nucleoside analogue of the following formula (I):



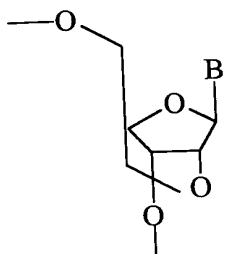
(I)

where B is an analogue of pyrimidine or purine nucleic acid base, and X and Y are identical or different, and each represents a hydrogen atom, an alkyl group, an alkenyl group an alkynyl group, a cycloalkyl group, an aralkyl group, an aryl group, an acyl group, or a silyl group or an amidite derivative.

Claim 2. (Original) A nucleoside analogue as claimed in claim 1, wherein X and Y each represents a hydrogen atom.

Claim 3. (Previously amended) A mononucleoside amidite derivative as claimed in claim 1, wherein X is 4,4-dimethoxytrityl(DMTr), and Y is a 2-cyanoethoxy(diisopropylamino)phosphano group.

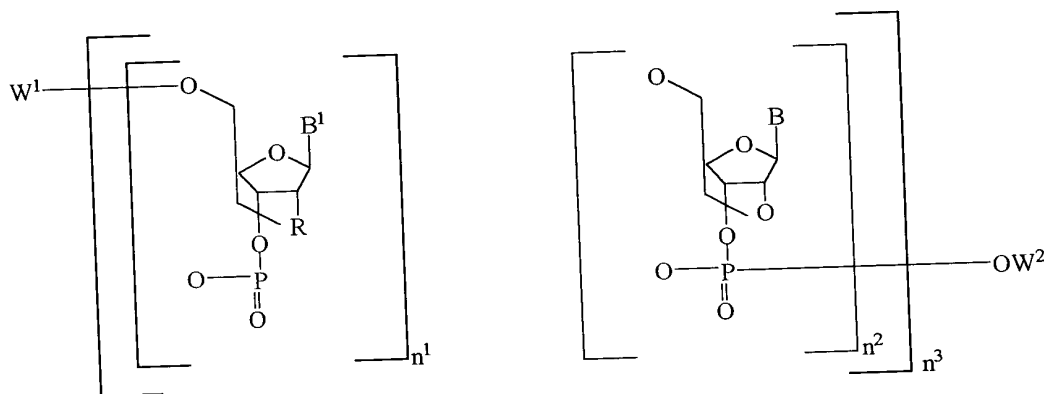
Claim 4. (Previously amended) An
oligonucleotide or polynucleotide analogue having one or
more structures of the formula (Ia):



(Ia)

where B is an analogue of a pyrimidine or purine nucleic
acidbase.

Claim 5. (Currently amended) An
oligonucleotide or polynucleotide analogue of the formula
(II):



where B¹ and B are identical or different, and each
represents an analogue of pyrimidine or purine nucleic
acid base, R is a hydrogen atom, a hydroxyl groups, a
halogen atom, or an alkoxy group,

W^1 and W^2 are identical or different, and each represents a hydrogen atom, an alkyl group, an alkenyl group, an alkynyl group, a cycloalkyl group, an aralkyl group, an aryl group, an acyl group, a silyl group, a phosphoric acid residue, a naturally occurring nucleoside or a synthetic nucleoside bound via a phosphodiester bond, or an oligonucleotide or polynucleotide containing the nucleotide, n^1 or n^2 are identical or different, and each denotes an integer of 0 to 50, provided that n^1 and n^2 are not both zero, and that not all of the n^2 are zero at the same time, n^3 denotes an integer of 1 to 50, provided that when n^1 and/or n^2 are or is 2 or more, B^1 and B need not be identical, and R need not be identical.

Claim 6. (Previously amended) The nucleoside analogue according to claim 1 wherein the amidite derivative is phosphoramidite.

Claims 7-8. (Cancelled)